

DRILL HOLES

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BY: \$USERNAME\$

5/9/2012 9:59:28 AM

PROJECT DESCRIPTION

GENERAL

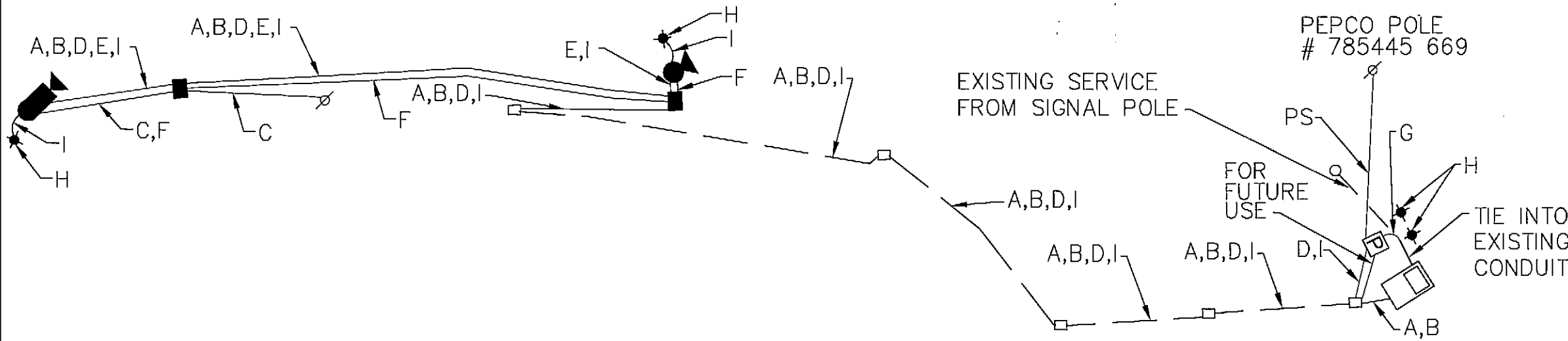
THIS PROJECT INVOLVES THE INSTALLATION OF RED LIGHT CAMERA EQUIPMENT TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD97 (GEORGIA AVE) SB AND RANDOLPH RD.

INTERSECTION OPERATION
THE INTERSECTION OPERATION WILL REMAIN UNCHANGED.

EQUIPMENT LIST

- A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION
NONE
- B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

QUANTITY	UNITS	DESCRIPTION
LUMP SUM	LS	MAINTENANCE OF TRAFFIC
LUMP SUM	LS	MOBILIZATION
2	CY	TEST PIT EXCAVATION
1	EA	RLCS-1 CAMERA ASSEMBLY
2	EA	RLCS-1 FLASH ASSEMBLY
270	LF	2 IN PVC CONDUIT (SCHEDULE 80) - TRENCHED
325	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE (FOR LANE 1 LEFT HAND TURN LANE)
325	LF	115 V POWER SIGNAL PHASE-7 CONDUCTOR (#14) CABLE (FOR THRU LANES)
4	EA	GROUND ROD - 3/4 IN. X 10 FT. LENGTH
325	LF	POWER (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, AND GROUND)
2	EA	SENSYS RECEIVER ASSEMBLY
140	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
140	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
140	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
140	LF	CAT 5e SHIELDED (BELDEN 7919A OR EQ.)
140	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
140	LF	115 V POWER 4 CONDUCTOR (#14) CABLE
325	LF	BARE COPPER GROUING WIRE
25	LF	(3) 1-CONDUCTOR CABLE (NO. 8 AWG)



WIRING KEY

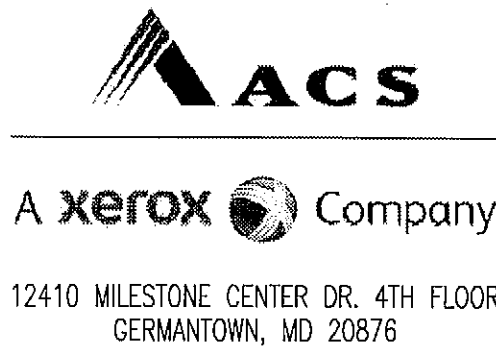
- A 7-CONDUCTOR CABLE (NO. 14 AWG)THRU LANES
- B 7-CONDUCTOR CABLE (NO. 14 AWG)LEFT HAND TURN LANE
- C COMCAST TO PROVIDE CABLE
- D (3) #10 CONDUCTORS THHN (HOT, NEUTRAL, GROUND)
- E (2) 4-CONDUCTOR CABLE (NO. 14 AWG)
- F (4) CAT 5e SHIELDED (BELDEN 7919a OR EQ.)
- G (3) 1-CONDUCTOR CABLE (NO. 8 AWG)
- H PROPOSED GROUNDING ROD
- I BARE COPPER GROUNDING WIRE (NO. 6 AWG)
- PS PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY PEPCO

NOTE: ALL CAT 5E CABLE TERMINATIONS WILL REQUIRE SENTINEL 106S08080058C34 ENDS AND A SENTINEL 90007 RATCHET HAND TOOL

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY WITH ACS CONSTRUCTION MANAGER AND SHA INSPECTOR ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
2. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF RED LIGHT EQUIPMENT.
3. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
4. THE CONTRACTOR IS TO BE AWARE THAT THE SHA HAS EXISTING UNDERGROUND CONDUITS, TRAFFIC SIGNAL INTERCONNECT CABLES AND ROADS SIGN IN THE VICINITY OF PROPOSED EQUIPMENT. ANY DAMAGE TO THESE FACILITY'S AS A RESULT OF THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR HIS CLIENT TO REPAIR OR REPLACE.
5. CONTACT MONTGOMERY COUNTY SIGNAL SHOP AT LEAST 72 HOURS IN ADVANCE OF PROPOSED WORK TO ARRANGE FOR CABINET WIRING.
6. CONTACTADRIAN PUGH SHA TRAFFIC CONTROL DEVICE INSPECTION SECTION AT LEAST 72 HOURS IN ADVANCE OF ANY WORK TO ARRANGE FOR INSPECTION SERVICES.

BW313M83
MD 97 @ Randolph Road



12410 MILESTONE CENTER DR. 4TH FLOOR
GERMANTOWN, MD 20876



APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
(1) RED LIGHT CAMERA INSTALLATION TIMS # L204 05/02/12
G. ADD NEAR-SIDE THRU HEADS REPLACE EXISTING HEADS WITH NEW BLACK HEADS 11/00
F. GEOMETRIC MOD PED SIGNALS EAST AND WEST LEGS 5/99
E. GEOMETRIC MOD SHA CONT # MO7105176 3/97

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
GI WIRING KEY MD 97 (GEORGIA AVE) SB AND RANDOLPH RD	
SCALE NONE ADVERTISED DATE 4/24/12 CONTRACT NO.	
DESIGNED BY	COUNTY MONTGOMERY
DRAWN BY Les Townsend	LOGMILE 15009704.64
CHECKED BY M. Rucker	TIMS NO.
F.A.P. NO.	TOD NO.
DRAWING NO. JS 2392-I OF	SHEET NO. 2 OF 2

PLOTTED: \$DATE\$
FILE: \$FILE\$